

DISINFECTION BYPRODUCTS DETECTED										
EPA INFORMATION COLLECTION RULE										
DATA GATHERING EFFORT (a)										
DISINFECTION BYPRODUCTS	FEDERAL MCL(b)	FEDERAL MCLG	STATE MCL	YEAR TESTED	Main System Water Treatment Plants			South Dade		
					ALEXANDER		JOHN E.	Water Supply System	Aventura	
					ORR JR.	HIALEAH	PRESTON	LEISURE CITY	NORWOOD	MAJOR SOURCES
Haloacetic Acids (HAA5) (ppb) (c)	60	NE	NE	98	17 (15 - 22)	45 (33 - 57)	71 (41 - 93)	3.2 (2.8 - 4.1)	34 (3 - 113)	Byproduct of Drinking Water Chlorination
Haloacetonitriles (HANs) (ppb) (d):	NE	NE	NE	98	3.7 (2.5 - 4.5)	4.2 (2.9 - 6.2)	7.5 (4.2 - 10.1)	4.2 (2.2 - 5.7)	4 (2 - 5)	Byproduct of Drinking Water Chlorination
Haloketones (ppb) (e)	NE	NE	NE	98	0.2 (ND - 0.3)	0.9 (0.6 - 1.6)	1.7 (1.2 - 2.4)	ND	2 (1 - 3)	Byproduct of Drinking Water Chlorination
Chloral Hydrate (ppb)	NE	NE	NE	98	0.3 (ND - 0.6)	1.8 (1.3 - 2.3)	4.4 (1.6 - 7.4)	ND	1 (0 - 3)	Byproduct of Drinking Water Chlorination
Cyanogen Chloride (ppb)	NE	NE	NE	98	ND	1.4 (ND - 2.6)	5.9 (4.2 - 7.8)	(f)	4 (0 - 8)	Byproduct of Drinking Water Chlorination
Total Organic Halides (TOX) (ppb)(g)	NE	NE	NE	98	105 (97 - 115)	238 (193 - 280)	334 (244 - 371)	ND	181 (0 - 815)	Byproduct of Drinking Water Chlorination
DISINFECTANT RESIDUALS	MDRL(b)	MDRLG	MDRL							
Chloramine (ppm)	4.0	4	NE	98	2.6 (2.2 - 2.9)	2.6 (2.2 - 2.8)	3.1 (3.0 - 3.2)	-	2.9 (1.5 - 3.5)	Addition of Chlorine or Chloramine to
Chlorine (ppm)	4.0	4	NE	98	-	-	-	1.5 (1.4 - 1.7)	-	drinking water for disinfection
ABBREVIATIONS & NOTES										
MDRL=Maximum Disinfectant Residual Level MDRLG=Maximum Disinfectant Residual Level Goal ND= None Detected NE= None Established ppb= parts per billion or micrograms per liter (µg/L) ppm= parts per million or milligrams per liter (mg/L)					(a) Data presented as the average from all samples collected in 1998 with the range (low - high) in parentheses. Data gathering for the Information Collection Rule ended in 1998. This data will continue to be presented in accordance with consumer confidence report criteria. (b) Effective date for compliance is December 2003. (c) HAA5= the sum of the following individual Haloacetic acids: Monochloroacetic acid, Dichloroacetic acid, Trichloroacetic acid, Monobromoacetic acid and Dibromoacetic acid. (d) HAN= the sum of the following Haloacetonitriles: Dichloroacetonitrile, Trichloroacetonitrile, Bromochloracetonitrile and Dibromoacetonitrile. Trichloroacetonitrile was not detected in WASD's treated water. (e) Haloketones = the sum of the following haloketones: 1,1-dichloropropanone and 1,1,1- trichloropropanone. (f) Testing for cyanogen chloride was only required for systems using chloramines for disinfection. The South Dade System uses chlorine. (g) TOX is a surrogate parameter used to indicate the potential that a water has for forming disinfection byproducts when a disinfectant is added to it.					